Chron

**STATE OF CALIFORNIA**
**DEPARTMENT OF PUBLIC HEALTH**

IN RE: **South Valley Farms - Beech Huller/Office Water System**
Water System No. 1503384

TO: Lee Brown, Production Manager
**South Valley Farms - Beech Huller/Office**
15443 Beech Avenue
Wasco, CA 93280

**BY REGISTERED MAIL**

**CITATION FOR NONCOMPLIANCE -- Water System No. 1503384**
**TOTAL COLIFORM MCL VIOLATION – July 2011 and June 2012**
**Citation No. 03-19-13C-024**

**Issued on May 15, 2013**

STATEMENT OF FACTS

**South Valley Farms Beech Huller/Office** Water System (hereinafter Water System) is classified as a nontransient-noncommunity water system and serves a population of approximately 75 persons through five service connections. The Water System has one active source of supply, Well 01 (PS Code: 1503384-001), a 10,000-gallon storage tank, and a 1,000-gallon pressure tank. Continuous chlorination treatment is provided to the well water using sodium hypochlorite. The Water System operates under the authority of a domestic water supply permit No. 03-19-11P-009, issued on May 23, 2011, by the California Department of Public Health.

The Southern California Drinking Water Field Operations Branch, Division of Drinking Water and Environmental Management, California Department of Public

Health (hereinafter "Department") is responsible for enforcing the Safe Drinking Water Act and regulations promulgated pursuant thereto.

- The Water System is required to collect one (1) routine bacteriological sample per month. Please refer to the Water System's approved Bacteriological Sample Siting Plan (BSSP) or Table 64423-A.
- Well 01 started experiencing bacteriological quality problems in June 2011. After disinfecting and flushing the well, the Water System conducted a bacteriological cycle tested on June 22, 2011, and as part of the cycle test, five (5) bacteriological quality samples were collected from the well while the well pumped continuously. Four (4) out of the five (5) cycle test samples tested positive for total coliform bacteria and negative for *E.coli* bacteria.
- After disinfecting the well again, another cycle test was conducted on July 11, 2011, and two (2) out of the five (5) cycle test samples tested positive for total coliform bacteria and negative for *E.coli* bacteria.
- **One (1) routine bacteriological quality sample collected on July 19, 2011, from the distribution system, tested positive for total coliform bacteria and *E.coli* bacteria [Section 64426(a)(2), *Authorities*].**
- Three (3) out of five (5) cycle test samples collected on July 19, 2011, from Well 01 tested positive for total coliform bacteria and one of the total coliform positive sample also tested positive for *E.coli* bacteria.
- **Only one (1) repeat sample was collected on July 21, 2011, from the distribution system and it tested positive for total coliform bacteria and *E.coli* bacteria [Section 64426.1(b)(3), *Authorities*].**
- **The Water System did not collect the required number of four (4) repeat samples [Section 64424(a)(2), *Authorities*].**

- **South Valley Farms Beech Huller Water System failed the total coliform maximum contaminant level (MCL) for July 2011 [Sections 64426.1(b)(2), 64426.1(b)(3), and 64426.1(b)(4), *Authorities*].**
- **The Department was not notified by the Water System or its agents of the *E.coli* positive samples from the distribution system or Well 01. The Water System also failed to notify the Department of the total coliform MCL violation in July 2011. The Department became aware of the *E.coli* positive samples and the July 2011 total coliform MCL failure, upon receipt of lab results on July 27, 2011, from BC Laboratories [Section 64426(b)(1), *Authorities*].**
- Two (2) investigative samples collected on July 26, 2011, one (1) from the distribution system and one (1) from the storage tank, tested negative for total coliform bacteria.
- On July 27, 2011, the Department issued a Boil Water Notice (BWN) in response to the *E.coli* positive samples from the distribution system and Well 01. The BWN also met the public notification requirement of the total coliform MCL failure for the month of July 2011. Proof of Notification form and an investigation report were also emailed to the Water System on the same day.
- On the same day, the Department received signed and dated copies of the BWN and Proof of Notification. According to these documents, the BWN was distributed to the customers and posted on July 27, 2011, at conspicuous locations within service area of the water System.
- All eight (8) special bacteriological quality samples collected on July 28, 2011, from the Water System's pressure tank, storage tank, and distribution system tested negative for total coliform bacteria.

- One (1) bacteriological sample collected on July 28, 2011, from Well 01, tested positive for total coliform bacteria.
- After disinfecting and flushing Well 01, the Water System conducted a bacteriological cycle test and as part of the cycle test, five (5) bacteriological quality samples were collected on August 1, 2011, from the well, and all five (5) samples tested negative for total coliform bacteria.
- Two (2) bacteriological samples collected on August 1, 2011, from the pressure tank and storage tank tested negative for total coliform bacteria.
- All five (5) routine bacteriological samples collected on August 3, 2011, from the distribution system tested negative for total coliform bacteria.
- All five (5) routine bacteriological samples collected on August 4, 2011, from the distribution system tested negative for total coliform bacteria.
- Four (4) bacteriological samples collected on August 5, 2011, from the distribution system and storage tank tested negative for total coliform bacteria.
- One (1) bacteriological sample collected on August 5, 2011, from Well 01, tested negative for total coliform bacteria.
- On August 8, 2011, the Department received a completed copy of the investigation report in response to the July 2011 total coliform MCL failure.
- The investigation report was completed by Dennis Gatson of McMor Chlorination, Inc., the Water System's contract sampler and certified distribution operator. The investigation report indicates the possible cause of contamination as a 2-inch feed line exiting the well casing with a ¼ inch gap, allowing honey bees to enter and exit the well head. The Water System made the necessary repairs to the well and sealed the gap and provided disinfection and flushing to clear bacteriological contamination from the distribution system and well.

- On August 10, 2011, the Department issued a Safe Water Notice (SWN) after the Water System satisfied the Department's directives and submitted a completed investigation report for the July 2011 MCL failure, in addition to providing two consecutive rounds of total coliform negative samples from the distribution system and Well 01.
- On August 11, 2011, the SWN was distributed to the customers and posted at conspicuous locations within service area of the Water System.
- All routine distribution and well bacteriological quality samples collected from September 2011 to May 2012 tested negative for total coliform bacteria.
- One (1) routine bacteriological quality sample collected on June 29, 2012, from the distribution system, tested positive for total coliform bacteria.
- All three (3) repeat bacteriological quality samples collected on July 2, 2012, from the distribution system, tested positive for total coliform bacteria.
- **South Valley Farms Beech Huller failed the total coliform maximum contaminant level (MCL) for June 2012 [Section 64426.1(b)(2), *Authorities*].**
- **The Water System failed to collect four (4) repeat samples from the distribution system in July 2012 [Section 64424(a)(1), *Authorities*].**
- One (1) Ground Water Rule trigger source sample collected on July 2, 2012, from Well 01, tested negative for total coliform bacteria.
- Four (4) investigative samples collected on July 5, 2012, from the distribution system and storage tank tested negative for total coliform bacteria.
- All five (5) routine samples collected on July 25, 2012, from the distribution system tested negative for total coliform bacteria.

- None of the bacteriological quality samples collected in June and July 2012, from the distribution system or the system well, tested positive for *E.coli* bacteria.
- On July 5, 2012, Genie Risner of McMor Chlorination Inc., notified the Department that the Water System failed the total coliform MCL for June 2012.
- On July 13, 2013, a public notice and Proof of Notification were emailed to the Water System for the June 2012 total coliform MCL failure.
- On July 21, 2012, the Department received signed and dated copies of the public notice and Proof of Notification from the Water System. According to these documents, public notification was completed on July 23, 2012.
- On July 13, 2012, an investigation report was emailed to the Water System for the June 2012 total coliform MCL failure.
- On August 21, 2012, the Department received a completed copy of the investigation report in response to the June 2012 total coliform MCL failure.
- The investigation report was completed by Dennis Gatson of McMor Chlorination, Inc. The investigation report indicates the possible cause of contamination as the chlorine injection pump losing prime due to an airlock which did not allow any chlorine to inject into the distribution system. The Water System re-primed the pump and resumed chlorination with a higher dosage of chlorine, and followed by flushing, to help clear bacteriological contamination from the distribution system.
- Five (5) routine samples collected from the distribution system on August 17, 2012, tested negative for total coliform bacteria.
- All routine distribution and well bacteriological quality samples collected from September 2012 to April 2013 have tested negative for total coliform bacteria.

- All bacteriological results collected from January 2011 to April 2013 are summarized in **Attachment A.**

## AUTHORITIES

**Section 116577 of the CHSC**, states in relevant part:
"(a) Each public water system shall reimburse the department for the actual costs incurred by the department for any of the following enforcement activities related to that water system:

(1) Preparing, issuing, and monitoring compliance with, an order or citation.

(2) Preparing, and issuing public notification

...

(b) The department shall submit an invoice for these enforcement costs to the public water system that requires payment prior to September 1 of the fiscal year following the fiscal year in which the costs were incurred. The invoice shall indicate the total hours expended, the reasons for the expenditure, and the hourly cost rate of the department. The costs set forth in the invoice shall not exceed the total actual costs to the department of the enforcement activities specified in this section."...

**Section 116650 of the California Health and Safety Code** (hereinafter CHSC), states in relevant part:
"(a) If the department determines that a public water system is in violation of this chapter or any regulation, permit, standard, or order issued or adopted thereunder, the department may issue a citation to the public water system. The citation shall be served upon the public water system personally or by registered mail.

(b) Each citation shall be in writing and shall describe with particularity the nature of the violation, including a reference to the statutory provision, standard, order, or regulation alleged to have been violated.

(c) For continuing violations, the citation shall fix the earliest feasible time for elimination or correction of the condition constituting the violation where appropriate. If the public water system fails to correct a violation within the time specified in the citation, the department may assess a civil penalty as specified in subdivision (e).

(d) For a noncontinuing violation of primary drinking standards, the department may assess in the citation a civil penalty as specified in subdivision (e).

(e) Citations issued pursuant to this section shall be classified according to the nature of the violation or the failure to comply. The department shall specify the classification in the citation and may assess civil penalties for each classification as follows:

(1) For violation of a primary drinking standard, an amount not to exceed one thousand dollars ($1,000) per day for each day that the violation occurred, including each day that the violation continues beyond the date specified for correction in the citation or order.

(2) For failure to comply with any citation or order issued for violation of a secondary drinking water standard that the director determines may have a direct or immediate relationship to the welfare of the users, an amount not to exceed one thousand dollars ($1,000) for each day that the violation continues beyond the date specified for correction in the citation or order.

(3) For failure to comply with any citation or order issued for noncompliance with any department regulation or order, other than a primary or secondary drinking water standard, an amount not to exceed two hundred dollars ($200) per day for each day the violation continues beyond the date specified for correction in the citation."

**Section 116655 of the CHSC**, states in relevant part:

"(a) Whenever the department determines that any person has violated or is violating this chapter, or any permit, regulation, or standard issued or adopted pursuant to this chapter, the director may issue an order doing any of the following:

(1) Directing compliance forthwith.

(2) Directing compliance in accordance with a time schedule set by the department.

(3) Directing that appropriate preventative action be taken in the case of a threatened violation.

(b) An order issued pursuant to this section may include, but shall not be limited to, any or all of the following requirements:

(2) That purification or treatment works be installed."

**California Code of Regulations (hereinafter CCR), Title 22, Section 64423 and Table 64423-A establishes the routine sampling requirements**, and states in relevant part:

**Table 64423-A**
**Minimum Number of Routine Total Coliform Samples**

| *Monthly Population Served* | *Service Connections* | *Minimum Number of Samples* |
|---|---|---|
| 25 to 1000 | 15 to 400 | 1 per month |
| 1,001 to 2,500 | 401 to 890 | 2 per month |
| 2,501 to 3,300 | 891 to 1,180 | 3 per month |
| 3,301 to 4,100 | 1,181 to 1,460 | 4 per month |
| 4,101 to 4,900 | 1,461 to 1,750 | 5 per month |
| 4,901 to 5,800 | 1,751 to 2,100 | 6 per month |
| 5,801 to 6,700 | 2,101 to 2,400 | 7 per month |
| 6,701 to 7,600 | 2,401 to 2,700 | 2 per week |
| 7,601 to 12,900 | 2,701 to 4,600 | 3 per week |
| 12,901 to 17,200 | 4,601 to 6,100 | 4 per week |
| 17,201 to 21,500 | 6,101 to 7,700 | 5 per week |
| 21,501 to 25,000 | 7,701 to 8,900 | 6 per week |
| 25,001 to 33,000 | 8,901 to 11,800 | 8 per week |
| 33,001 to 41,000 | 11,801 to 14,600 | 10 per week |
| 41,001 to 50,000 | 14,601 to 17,900 | 12 per week |
| 50,001 to 59,000 | 17,901 to 21,100 | 15 per week |

**CCR, Title 22, Section 64424 establishes the repeat sampling requirements**, and states in relevant part:

"(a) If a routine sample is total coliform-positive, the water supplier shall collect a repeat sample set as described in paragraph (a)(1) within 24 hours of being notified of the positive result. The repeat samples shall all be collected within the same 24 hour time period. A single service connection system may request that the Department allow the collection of the repeat sample set over a four-day period.

(1) For a water supplier that normally collects more than one routine sample a month, a repeat sample set shall be at least three samples for each total coliform-positive sample. For a water supplier that normally collects one or fewer samples per month, a repeat sample set shall be at least four samples for each total coliform-positive sample.

(2) If the water supplier is unable to collect the samples within the 24-hour time period specified in subsection (a) or deliver the samples to the laboratory within the 24 hours after collection because of circumstances beyond its control, the water supplier shall notify the Department within 24 hours. The Department will then determine how much time the supplier will have to collect the repeat samples.

(b) When collecting the repeat sample set, the water supplier shall collect at least one repeat sample from the sampling tap where the original total coliform-positive sample was taken. Other repeat samples shall be collected within five service connections upstream or downstream unless there is no

upstream and/or downstream service connection.

(c) If one or more samples in the repeat sample set is total-coliform positive, the water supplier shall collect and have analyzed an additional set of repeat samples as specified in subsections (a) and (b). The supplier shall repeat this process until either no coliforms are detected in one complete repeat sample set or the supplier determines that the MCL for total coliforms specified in 64426.1 has been exceeded and notifies the Department.

(d) If a public water system for which fewer than five routine samples/month are collected has one or more total coliform-positive samples, the water supplier shall collect at least five routine samples the following month. If the supplier stops supplying water during the month after the total-coliform positive(s), at least five samples shall be collected during the first month the system resumes operation. A water supplier may request the Department waive the requirement to collect at least five routine samples the following month, but a waiver will not be granted solely on the basis that all repeat samples are total coliform-negative. To request a waiver, one of the following conditions shall be met:

(1) The Department conducts site visit before the end of the next month the system provides water to the public to determine whether additional monitoring and/or corrective action is necessary to protect public health.

(2) The Department determines why the sample was total coliform-positive and establishes that the system has corrected the problem or will correct the problem before the end of the next month the system serves water to the public. If a waiver is granted, a system shall collect at least one routine sample before the end of the next month it serves water to the public and use it to determine compliance with 64426.1."

**CCR, Title 22, Section 64426 establishes the significant rise in bacteriological count** and states in relevant part:

"(a) Any of the following criteria shall indicate a possible significant rise in bacterial count:

(1) A system collecting at least 40 samples per month has a total coliform-positive routine sample followed by two total coliform-positive samples in the repeat sample set;

(2) A system has a sample which is positive for fecal coliform or E. coli; or

(3) A system fails the total coliform Maximum Contaminant Level (MCL) as defined in 64426.1.

(b) When the coliform levels specified in subsection (a) are reached or exceeded, the water supplier shall:

(1) Contact the Department by the end of the day on which the system is notified of the test result or the system determines that it has exceeded the MCL, unless the notification or determination occurs after the Department office is closed, in which case the supplier shall notify the Department within 24 hours; and

(2) Submit to the Department information on the current status of physical works and operating procedures which may have caused the elevated bacteriological findings, or any information on community illness suspected of being waterborne. This shall include, but not be limited to:

(A) Current operating procedures that are or could potentially be related to the increase in bacterial count;

(B) Any interruptions in the treatment process;

(C) System pressure loss to less than 5 psi;

(D) Vandalism and/or unauthorized access to facilities;

(E) Physical evidence indicating bacteriological contamination of facilities;

(F) Analytical results of any additional samples collected, including source samples;

(G) Community illness suspected of being waterborne; and

(H) Records of the investigation and any action taken."...

**CCR, Title 22, Section 64426.1 establishes the total coliform maximum contaminant level** and states in relevant part:

"(a) Results of all samples collected in a calendar month pursuant to Sections 64423, 64424, and 64425 that are not invalidated by the Department or the laboratory shall be included in determining

compliance with the total coliform MCL. Special purpose samples such as those listed in 64421(b) and samples collected by the water supplier during special investigations shall not be used to determine compliance with the total coliform MCL.

(b) A public water system is in violation of the total coliform MCL when any of the following occurs:

(1) For a public water system which collects at least 40 samples per month, more than 5.0 percent of the samples collected during any month are total coliform-positive; or

(2) For a public water system which collects fewer than 40 samples per month, more than one sample collected during any month is total coliform-positive; or

(3) Any repeat sample is fecal coliform-positive or E. coli-positive; or

(4) Any repeat sample following a fecal coliform-positive or E. coli-positive routine sample is total coliform-positive.

(c) If a public water system is not in compliance with paragraphs (b)(1) through (4), during any month in which it supplies water to the public, the water supplier shall notify the Department by the end of the business day on which this is determined, unless the determination occurs after the Department office is closed, in which case the supplier shall notify the Department within 24 hours of the determination. The water supplier shall also notify the consumers served by the water system. A Tier 2 Public Notice shall be given for violations of paragraphs (b)(1) or (2), pursuant to section 64463.4. A Tier 1 Public Notice shall be given for violations of paragraphs (b)(3) or (4), pursuant to section 64463.1."

## DETERMINATIONS

Based upon the above Statement of Facts and Authorities, the Department determines that the Water System has violated the following:

1. CHSC Section 116555(a)(3): Specifically, the Water System failed to ensure that the water system is provided with a reliable and adequate supply for pure, wholesome, healthful, and potable water.

2. CCR, Title 22, Section 64426.1(b)(2): Specifically, the Water System violated the total coliform MCL for July 2011 and June 2012 when more than one sample collected in July 2011 and June 2012, tested positive for total coliform bacteria.

3. CCR, Title 22, Section 64426.1(b)(3): Specifically, the Water System had a routine total coliform positive sample in July 2011 that also tested positive for *E.coli* bacteria..

4. CCR, Title 22, Section 64426.1(b)(4): Specifically, the Water System had a repeat total coliform positive sample in July 2011 that also tested positive for *E.coli* bacteria..

5. CCR, Title 22, Section 64426.1(c): Specifically, the Water System failed to notify the Department that more than one sample collected in July 2011 tested positive for total coliform bacteria. The Water System also failed to notify the Department of the *E.coli* positive samples in July 2011, within 24 hours of notification by the contract laboratory.

6. CCR, Title 22, Section 64424(a): Specifically, the Water System failed to collect the correct number of repeat samples in July 2011 and July 2012, within 24 hours of notification by the contract laboratory.

The above violations are classified as non-continuing violations.

## DIRECTIVES

South Valley Farms Beech Huller Water System is hereby directed to take the following actions:

1. Cease and desist from failing to comply with Section 116555(a) of the California Health and Safety Code (CHSC) and Sections 64424(a), 64426(a)(2), 64426(a)(3), 64426(b)(1), 64426.1(b)(2), 64426.1(b)(3) 64426.1(b)(4), and 64426.1(c) of Title 22, California Code of Regulations (CCR).
2. In the future, the Water System shall collect the required number of four (4) repeat samples within 24 hours of receipt of notification from its contract laboratory.
3. In the future, the Water System shall contact the Department by the end of the day on which the Water System is notified of the test result or the Water System determines that it has exceeded the MCL, unless the notification or

determination occurs after the Department office is closed, in which case the Water System shall notify the Department within 24 hours.

4. The Water System shall reimburse the Department, in accordance with an invoice that shall be provided to the Water System, the costs for enforcement activities, and such reimbursement shall be made prior to September 1 of the fiscal year following the fiscal year in which such costs are incurred as described in CHSC Section 116577(a)(1-2) and 116577(b).

## FURTHER ENFORCEMENT ACTIONS

Section 116270, Division 104, Part 12, Chapter 4 of the CHSC authorizes the Department to: issue additional citations with assessment of penalties if the public water system continues to fail to correct a violation identified in a citation; take action to suspend or revoke a permit that has been issued to a public water system if the system has violated applicable law or regulations or has failed to comply with orders of the Department; and petition the superior court to take various enforcement measures against a public water system that has failed to comply with orders of the Department. The Department does not waive any further enforcement action by issuance of this citation.

## PARTIES BOUND

This citation shall apply to and be binding upon South Valley Farms Beech Huller Water System, its officers, directors, agents, employees, contractors, successors, and assignees.

## SEVERABILITY

The directives of this citation are severable, and South Valley Farms Beech Huller Water System shall comply with each and every provision thereof, notwithstanding the effectiveness of any other provision.

## CIVIL PENALTY

Section 116650, subsection (d) and (e) of the CHSC allow for the assessment of a civil penalty for the failure to comply with the requirements of the Safe Drinking Water Act. Failure to comply with any Directive of this Citation may result in the Department imposing an administrative penalty of not less than $200 (two hundred dollars) for each day that the violation continues beyond the date set for correction in this Citation.

The Department does not waive any further enforcement action by issuance of this citation, and expressly reserves the right to issue a citation with penalties for the violations on which the Directives of this citation are based.

May 15, 2013
Date

Jaswinder Dhaliwal
Jaswinder S. Dhaliwal, P.E.
Senior Sanitary Engineer
Tehachapi District
SOUTHERN CALIFORNIA BRANCH
DRINKING WATER FIELD OPERATIONS

**Attachment**
Attachment A: Bacteriological Summary January 2011 to April 2013

cc: Kern County Environmental Health Services Department (w/o attachments)
McMor Chlorination Inc. (via email)

JSD/ak

# ATTACHMENT A

# South Valley Farms Beech - Huller

## 1503384 *Distribution System Freq: 1/M*

| Sample Date | Time | Location | T Coli | E Coli | F Coli | Type | Cl2 | Violation | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 1/7/2011 | 7:35 | Beech Domestic, | A | A | | Other | | | |
| 1/7/2011 | 7:48 | Kimberlina Domes | A | A | | Routine | | | |
| 1/7/2011 | 8:06 | Kimberlina, Dome | A | A | | Routine | | | |
| 1/7/2011 | 8:07 | Kimberlina Domes | A | A | | Routine | | | |
| 2/25/2011 | 10:20 | Beech Domestic, | <1.1 | <1.1 | | Other | | | |
| 2/25/2011 | 10:20 | Duplex Faucet | <1.1 | <1.1 | | Other | | | |
| 2/25/2011 | 10:20 | Pressure Tank | <1.1 | <1.1 | | Other | | | |
| 2/25/2011 | 10:20 | Storage Tank | 1.1 | <1.1 | | Other | | | |
| 2/25/2011 | 10:25 | Break Room | <1.1 | <1.1 | | Other | | | |
| 2/25/2011 | 10:25 | Huller | <1.1 | <1.1 | | Other | | | |
| 2/25/2011 | 10:25 | Office | <1.1 | <1.1 | | Other | | | |
| 2/25/2011 | 10:30 | Work Shop | <1.1 | <1.1 | | Other | | | |
| 3/1/2011 | 11:05 | Storage Tank | <1.1 | <1.1 | | Routine | | | |
| 4/8/2011 | 8:38 | Pressure Tank | <1.1 | <1.1 | | Routine | | | |
| 4/11/2011 | 9:07 | Storage Tank | <1.1 | <1.1 | | Routine | | | |
| 5/18/2011 | 7:50 | Beech Domestic, | <1.1 | <1.1 | | Routine | | | |
| 6/6/2011 | 10:30 | BD, Shop | <1.1 | <1.1 | | Routine | | | |
| 7/19/2011 | 8:25 | Office Outside Fau | 6.9 | 1.1 | | Routine | | | |
| 7/21/2011 | 7:25 | Office Kitchen Fau | 23 | 1.1 | | Repeat | | | |
| 7/26/2011 | 7:08 | Men's RR Front Of | <1.1 | <1.1 | | Routine | | | |
| 7/26/2011 | 7:10 | Office Storage Ta | <1.1 | <1.1 | | Other | | | |
| 7/28/2011 | 7:40 | Duplex | A | A | | Routine | 0.1 | | |
| 7/28/2011 | 10:18 | Office | A | A | | Routine | 0.1 | | |
| 7/28/2011 | 10:23 | Pressure Tank | A | A | | Other | 0.1 | | |
| 7/28/2011 | 10:26 | Storage Tank | A | A | | Other | 0.1 | | |
| 7/28/2011 | 10:37 | 2 Bed House | A | A | | Other | 0.1 | | |
| 7/28/2011 | 10:48 | Processing | A | A | | Other | 0.1 | | |
| 7/28/2011 | 10:50 | Huller | A | A | | Other | 0.1 | | |
| 7/28/2011 | 11:09 | Shop | A | A | | Other | 0.1 | | |
| 8/1/2011 | 10:04 | Storage Tank Efful | <1.1 | <1.1 | | Other | | | |
| 8/1/2011 | 10:10 | Pressure Vessel E | <1.1 | <1.1 | | Other | | | |
| 8/3/2011 | 12:07 | 3ROU | A | A | | Routine | 2.5 | | |
| 8/3/2011 | 12:12 | 2ROU | A | A | | Routine | 2.5 | | |
| 8/3/2011 | 12:20 | 4ROU | A | A | | Routine | 2.3 | | |
| 8/3/2011 | 12:36 | 3ROU | A | A | | Routine | 1.97 | | |
| 8/3/2011 | 13:00 | 1ROU | A | A | | Routine | 2.5 | | |

| *Sample Date* | *Time* | *Location* | *T Coli* | *E Coli* | *F Coli* | *Type* | *Cl2* | *Violation* | *Comment* |
|---|---|---|---|---|---|---|---|---|---|
| 8/4/2011 | 14:07 | 1ROU | A | A | | Routine | 2.3 | | |
| 8/4/2011 | 14:15 | 4ROU | A | A | | Routine | 2.2 | | |
| 8/4/2011 | 14:18 | 2ROU | A | A | | Routine | 2.5 | | |
| 8/4/2011 | 14:22 | 3ROU | A | A | | Routine | 2.5 | | |
| 8/4/2011 | 14:28 | 4ROU | A | A | | Routine | 2.2 | | |
| 8/5/2011 | 7:50 | Storage Tank | A | A | | Other | | | |
| 8/5/2011 | 8:05 | KD E/S #3 | A | A | | Routine | | | |
| 8/5/2011 | 8:10 | 31335 Kimberlina | A | A | | Routine | | | |
| 8/5/2011 | 8:12 | KD E/S #4 | A | A | | Routine | | | |
| 9/16/2011 | 10:00 | 4ROU | A | A | | Routine | 0.48 | | |
| 10/3/2011 | 10:25 | 10,000 gal Tank | <1.1 | <1.1 | | Other | | | |
| 10/3/2011 | 10:30 | E/S #4 | <1.1 | <1.1 | | Other | | | |
| 10/3/2011 | 10:30 | W/S #4 | 1.1 | <1.1 | | Other | | | |
| 10/3/2011 | 10:45 | 31345 Kimberlina | <1.1 | <1.1 | | Other | | | |
| 10/6/2011 | 9:11 | 1ROU | A | A | | Routine | | | |
| 11/9/2011 | 14:35 | 1ROU | A | A | | Routine | 1.52 | | |
| 12/9/2011 | 9:53 | 2ROU | A | A | | Routine | 0.81 | | |
| 1/13/2012 | 9:55 | 1ROU | A | A | | Routine | 2.0 | | |
| 2/13/2012 | 8:38 | 2ROU | A | A | | Routine | 1.33 | | |
| 3/9/2012 | 10:30 | 3ROU | A | A | | Routine | 0.17 | | |
| 4/26/2012 | 15:25 | 4ROU | A | A | | Routine | 2.4 | | |
| 5/18/2012 | 10:27 | 5ROU | A | A | | Routine | 1.0 | | |
| 6/29/2012 | 10:20 | 1ROU | P | A | | Routine | 0.00 | | |
| 7/2/2012 | 14:56 | 1REP1 | P | A | | Repeat | 0.06 | MCL | July 2, 2012, repeats count towards June TC+ |
| 7/2/2012 | 15:03 | 1ROU | P | A | | Routine | 0.05 | | |
| 7/2/2012 | 15:13 | 1REP2 | P | A | | Repeat | 0.05 | | |
| 7/5/2012 | 9:58 | Warehouse | A | A | | Special | 1.76 | | |
| 7/5/2012 | 10:04 | Huller | A | A | | Special | 2.20 | | |
| 7/5/2012 | 10:10 | Office restroom | A | A | | Special | 2.20 | | |
| 7/5/2012 | 10:14 | Tank | A | A | | Special | 3.20 | | |
| 7/25/2012 | 14:00 | 1ROU | A | A | | Routine | 1.0 | | |
| 7/25/2012 | 14:10 | 2ROU | A | A | | Routine | 2.0 | | |
| 7/25/2012 | 14:20 | 3ROU | A | A | | Routine | 2.0 | | |
| 7/25/2012 | 14:30 | 4ROU | A | A | | Routine | 1.0 | | |
| 7/25/2012 | 14:40 | 5ROU | A | A | | Routine | 1.0 | | |
| 8/17/2012 | 10:05 | 1ROU | A | A | | Routine | 2.00 | | |
| 8/17/2012 | 10:09 | 4ROU | A | A | | Routine | 2.00 | | |
| 8/17/2012 | 10:15 | 2ROU | A | A | | Routine | 2.02 | | |

| *Sample Date* | *Time* | *Location* | *T Coli* | *E Coli* | *F Coli* | *Type* | *Cl2* | *Violation* | *Comment* |
|---|---|---|---|---|---|---|---|---|---|
| 8/17/2012 | 10:17 | 3ROU | A | A | | Routine | 2.01 | | |
| 8/17/2012 | 10:25 | 5ROU | A | A | | Routine | 2.00 | | |
| 9/14/2012 | 10:39 | 4ROU | A | A | | Routine | 2.18 | | |
| 10/5/2012 | 10:45 | 5ROU | A | A | | Routine | | | |
| 11/15/2012 | 11:53 | 1ROU | A | A | | Routine | 1.25 | | |
| 12/26/2012 | 13:41 | 2ROU | A | A | | Routine | 1.39 | | |
| 1/18/2013 | 10:41 | 1ROU | A | A | | Routine | 0.96 | | |
| 2/15/2013 | 10:50 | 2ROU | A | A | | Routine | 0.41 | | |
| 3/15/2013 | 10:34 | 3ROU | A | A | | Routine | 1.87 | | |
| 4/5/2013 | 10:30 | 4ROU | A | A | | Routine | 1.49 | | |

# South Valley Farms Beech - Huller

**1503384** *Source Monitoring Freq:*

| Sample Date | Time | Source | T Coli | E Coli | F Coli | Violation | Comment |
|---|---|---|---|---|---|---|---|
| 1/7/2011 | 7:36 | Beech Domestic, Well Hea | P | A | | | |
| 1/7/2011 | 8:09 | Kimberlina Domestic, Well | A | A | | | |
| 1/10/2011 | 9:58 | Beech Domestic, Well Hea | P | A | | | |
| 2/25/2011 | 10:20 | Well Head | <1.1 | <1.1 | | | |
| 4/8/2011 | 8:38 | Well Head | 1.1 | <1.1 | | | |
| 4/11/2011 | 9:07 | Well Head | 23 | <1 | | | |
| 6/6/2011 | 6:25 | Well Head | <1.1 | <1.1 | | | |
| 6/6/2011 | 10:26 | Well Head | <1.1 | <1.1 | | | |
| 6/6/2011 | 10:30 | Well Head | <1.1 | <1.1 | | | |
| 6/6/2011 | 10:40 | Well Head | <1.1 | <1.1 | | | |
| 6/6/2011 | 10:55 | Well Head | <1.1 | <1.1 | | | |
| 6/22/2011 | 6:50 | Well Head | 1.1 | <1.1 | | | |
| 6/22/2011 | 6:51 | Well Head | 1.1 | <1.1 | | | |
| 6/22/2011 | 6:55 | Well Head | <1.1 | <1.1 | | | |
| 6/22/2011 | 7:05 | Well Head | 2.2 | <1.1 | | | |
| 6/22/2011 | 7:20 | Well Head | 1.1 | <1.1 | | | |
| 7/11/2011 | 12:06 | Office Well | 15 | <1 | | | |
| 7/11/2011 | 12:07 | Office Well | 2.0 | <1 | | | |
| 7/11/2011 | 12:11 | Office Well | <1 | <1 | | | |
| 7/11/2011 | 12:21 | Office Well | <1 | <1 | | | |
| 7/11/2011 | 12:36 | Office Well | <1 | <1 | | | |
| 7/19/2011 | 8:16 | Office Well | 1.1 | <1.1 | | | |
| 7/19/2011 | 8:17 | Office Well | <1.1 | <1.1 | | | |
| 7/19/2011 | 8:21 | Office Well | 3.6 | 1.1 | | | |
| 7/19/2011 | 8:31 | Office Well | <1.1 | <1.1 | | | |
| 7/19/2011 | 8:46 | Office Well | 1.1 | <1.1 | | | |
| 7/28/2011 | 10:28 | Well | 1 | <1 | | | |
| 8/1/2011 | 9:26 | 1st Wtr. Out | <1.1 | <1.1 | | | |
| 8/1/2011 | 9:27 | 1-Min | <1.1 | <1.1 | | | |
| 8/1/2011 | 9:31 | 5-Min | <1.1 | <1.1 | | | |
| 8/1/2011 | 9:41 | 15-Min | <1.1 | <1.1 | | | |
| 8/1/2011 | 9:56 | 30-Min | <1.1 | <1.1 | | | |

| *Sample Date* | *Time* | *Source* | *T Coli* | *E Coli* | *F Coli* | *Violation* | *Comment* |
|---|---|---|---|---|---|---|---|
| 8/5/2011 | 7:54 | Well Head | A | A | | | |
| 10/3/2011 | 10:40 | Well Head | <1.1 | <1.1 | | | |
| 7/2/2012 | 14:40 | 001 | <1.1 | <1.1 | | | |